



WORK SHEET

Module 17 Physiological Effects of Alcohol on Driving

Name _____

Date _____

Score _____

MALE HOW MANY DRINKS (LIGHT BEER)*						
Weight	BAC	Ounces	BAC	Ounces	BAC	Ounces
200	0.03	22 oz.	0.05	37 oz.	0.07	52 oz.
190	0.03	21 oz.	0.05	34 oz.	0.07	50 oz.
180	0.03	20 oz.	0.05	33 oz.	0.07	46 oz.
170	0.03	19 oz.	0.05	32 oz.	0.07	44 oz.
160	0.03	18 oz.	0.05	30 oz.	0.07	41 oz.
150	0.03	17 oz.	0.05	29 oz.	0.07	39 oz.
140	0.03	16 oz.	0.05	27 oz.	0.07	37 oz.
130	0.03	15 oz.	0.05	25 oz.	0.07	34 oz.
120	0.03	14 oz.	0.05	22 oz.	0.07	32 oz.
110	0.03	13 oz.	0.05	21 oz.	0.07	29 oz.
100	0.03	11 oz.	0.05	20 oz.	0.07	28 oz.
90	0.03	10 oz.	0.05	18 oz.	0.07	26 oz.
80	0.03	8 oz.	0.05	17 oz.	0.07	23 oz.
70	0.03	6 oz.	0.05	15 oz.	0.07	19 oz.
55	0.03	4 oz.	0.05	12 oz.	0.07	17 oz.

FEMALE HOW MANY DRINKS (LIGHT BEER)*						
Weight	BAC	Ounces	BAC	Ounces	BAC	Ounces
255	0.03	22 oz.	0.05	37 oz.	0.07	52 oz.
230	0.03	21 oz.	0.05	34 oz.	0.07	50 oz.
220	0.03	20 oz.	0.05	33 oz.	0.07	46 oz.
210	0.03	19 oz.	0.05	32 oz.	0.07	44 oz.
200	0.03	18 oz.	0.05	30 oz.	0.07	41 oz.
195	0.03	17 oz.	0.05	29 oz.	0.07	39 oz.
180	0.03	16 oz.	0.05	27 oz.	0.07	37 oz.
170	0.03	15 oz.	0.05	25 oz.	0.07	34 oz.
160	0.03	14 oz.	0.05	22 oz.	0.07	32 oz.
150	0.03	13 oz.	0.05	21 oz.	0.07	29 oz.
130	0.03	11 oz.	0.05	20 oz.	0.07	28 oz.
120	0.03	10 oz.	0.05	18 oz.	0.07	26 oz.
110	0.03	8 oz.	0.05	17 oz.	0.07	23 oz.
90	0.03	6 oz.	0.05	15 oz.	0.07	19 oz.
80	0.03	4 oz.	0.05	12 oz.	0.07	17 oz.

***Basic Assumption: 12 oz of Light Beer = 1 oz of 86 proof**

STEP ONE

Use the charts above to answer the problems listed below.

1. List your body weight to the nearest 10 pounds: ____ Are you male ____ female ____
2. If it was legal for you to consume beer, how many light beers could you consume to reach a level of 0.03 percent?

Number of Light Beers @ 12 oz. = ____ Number of Light Beers @ 16 oz. = ____

3. If your parents allowed you to consume beer, how many light beers could you consume to reach a level of 0.05 percent?

Number of Light Beers @ 12 oz. = ____ Number of Light Beers @ 16 oz. = ____

4. If your parents allowed you to consume beer, how many light beers could you consume to reach a level of 0.07 percent?

Number of Light Beers @ 12 oz. = ____ Number of Light Beers @ 16 oz. = ____

STEP TWO

Complete Part A and Part B

Complete this activity under the supervision of a teacher or a classmate. Draw a line to connect as many numbers in part A as you can in *ten seconds*. Ask your partner to time you. Numbers should be connected in numerical order.

Part A

	2	4	6	8	10	12	14	16	18	20
1	3	5	7	9	11	13	15	17	19	

Have a classmate spin you around 15-20 times. Then draw a line to connect as many numbers in Part B as you can in ten seconds. Again ask your partner to time you.

Part B

	2	4	6	8	10	12	14	16	18	20
1	3	5	7	9	11	13	15	17	19	

The dizziness you felt in Part B is similar to the way people feel when they have a few drinks. Think about what you have learned from this experiment.

1. How did you feel when you were trying to connect the numbers in Part A?
2. How did you feel when you were trying to connect the numbers in Part B?
3. What would it be like to ride a bicycle feeling the way you felt in Part B?